	Туре	L	#	Hits	Search Text	DBs	Time Stamp	Comment
1	BRS	L1		1662	(PT or pzt or "lead titanate zirconate" or "lead zirconate titanate" or "lead titanate") same perovskite	USPAT	2006/01/2 4 12:11	
2	BRS	L2		599	piezoelectric and (PT or pzt or "lead titanate zirconate" or "lead zirconate titanate" or "lead titanate") same perovskite	TICDAT	2006/01/2 4 12:12	
3	BRS	L3		41	piezoelectric and (PT or pzt or "lead titanate zirconate" or "lead zirconate titanate" or "lead titanate") same particles same perovskite	ı	2006/01/2 4 12:58	
4	BRS	L4			piezoelectric adj2 powder and dielectric adj2 powder	USPAT	2006/01/2 4 13:05	
5	BRS	L5		6	piezoelectric adj2 particle\$1 same dielectric adj2 particle\$1	•	2006/01/2 4 13:11	

	Туре	L	#	Hits	Search Text	DBs	Time Stamp	Comment
6	BRS	L6		0		US- PGPUB; USPAT; USOCR; EPO; JPO; DERWE NT; IBM_T DB	2006/01/2 4 13:11	
7	BRS	L7		0	piezoelectric adj2 (particle\$1 or powder) same first adj1 dielectric and second adj1 dielectric	US- PGPUB ; USPAT ; USOCR	2006/01/2 4 13:19	
8	- BRS	L8		18510	first adj1 dielectric and second adj1 dielectric	US- PGPUB; USPAT; USOCR; EPO; DERWE NT; IBM_T DB	2006/01/2 4 13:19	

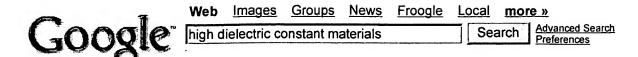
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9	BRS	L9	95	first adj1 dielectric and second adj1 dielectric and (pzt or pt) same perovskite	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWE NT; IBM_T DB	2006/01/2 4 13:27	
10	BRS	L10	102	(Pbtio3 or "lead titanate") adj3 dielectric adj1constant and (bifeo3) adj3 dielectric adj1 constant	US- PGPUB ; USPAT ;	2006/01/2 4 13:28	
11	BRS	L11	0	(Pbtio3 or "lead titanate") adj3 dielectric adj1 constant and bifeo3 adj3 dielectric adj1 constant	•	2006/01/2 4 13:31	

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12	BRS	L12	26	bifeo3	US- PGPUB; USPAT; USOCR; EPO; DERWE NT; IBM_T DB	2006/01/2 4 13:31	
13	BRS	L13	26	bifeo3	US- PGPUB ; USPAT ;	2006/01/2 4 13:31	
14	BRS	L14	1(1)	bifeo3 same dielectric adj2 constant	US- PGPUB ; USPAT ; USOCR	2006/01/2 4 13:31	

	Туре	L #	Hits	Search Text	DBs	Time Stamp	Comment
15	BRS	L15	2	bifeo3 same dielectric	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWE NT; IBM_T DB	2006/01/2 4 13:39	
16	BRS	L16	2	"bismuth iron oxide" same dielectric	US- PGPUB; USPAT;	2006/01/2 4 13:42	
17	BRS	L17	275	(PZT or PMN or pt) same dielectric and second adj2 material same dielectric	US- PGPUB ; USPAT ; USOCR	2006/01/2 4 14:19	
18	IS&R	L18	441	(310/358).CCLS.		2006/01/2 4 14:32	

	Туре	L #	Hits	Search Text	DBs	Time Stamp	Comment
19	IS&R	L19	260	(310/358).CCLS.	US- PGPUB; EPO; JPO; DERWE NT; IBM_T DB	2006/01/2 4 14:41	
20	BRS	L20	120	"4595515".uref. or "5221872".uref.		2006/01/2 4 14:41	

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# dielectric material - a Whatis.com definition - see also: dielectric

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#### <u>Hitachi Chemical Co. America, Ltd. [base materials for PWBs]</u>

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#### Elsevier.com - Handbook of Low and High Dielectric Constant ... HANDBOOK OF LOW AND HIGH DIELECTRIC CONSTANT MATERIALS AND THEIR APPLICATIONS, TWO-VOLUME SET, 1-2. Handbook of Low and High Dielectric

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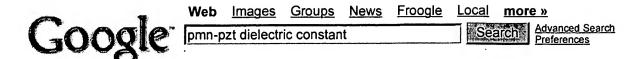
#### Charge transfer in the high dielectric constant materials ...

Title: Charge transfer in the high dielectric constant materials CaCu3Ti4O12 and CdCu3Ti4O12 Authors: Homes, CC; Vogt, T.; Shapiro, SM; Si, W.; Wakimoto, ... adsabs.harvard.edu/abs/2002cond.mat..9367H - Similar pages

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... piezoelectric ceramic with a high dielectric constant, high shear coupling coefficient, ... This material has a high shear coupling coefficient with low ... www.piezotechnologies.com/k181.htm - 15k - Cached - Similar pages

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... dielectric constant ε r : Method: high ε r compound materials: dielectric elastomer +

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development of PMN-PZT based binary systems with a view to producing composite

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#### On the Dielectric Constants of Metallic Oxides Dissolved or Suspended in Ice Cooled to the

J Dewar, JA Fleming - Proceedings of the Royal Society of London, 1897 - links.jstor.org ... presence of caesium hydrate, lithium hydrate, bismuth oxide, aluminic oxide ... rubidium, or the oxides of copper, iron, or lead ... be in the case of the oxide of copper ... Web Search

#### Heavy-Metal Oxide Classes

WH Dumbaugh, JC Lapp - blackwell-synergy.com ... EO is a lead bismuth gallate glass and H is an iron cadmium lead hismuth- ate glass. in Fig. 4, and is at the highest wavelength of any oxide glass. ...

Cited by 24 - Web Search - csa.com - csa.com

## ... -optic spectra and the dielectric tensor elements of bismuth-substituted iron garnets at photon ...

S Wittekoek, TJA Popma, JM Robertson, PF Bongers - Physical Review B, 1975 - link.aps.org ... from a molecular-orbital model for the ferric oxide compounds ... smaller mixing will also occur between the iron 3d orbitals and the bismuth orbitals via ... Cited by 31 - Web Search - adsabs.harvard.edu

# Chemical Bath Deposition of **Bismuth** Chloride **Oxide** (BiClO) Thin Film and its Applications

FI Ezema - akamaiuniversity.us

... The spectral absorbance of bismuth chloride oxide grown under varying ... n o ) or by (n o ) 2, which is known as the high frequency dielectric constant. ... View as HTML - Web Search

#### Optical properties of lead-bismuth cuprous glasses

PT DESHMUKH, BDK, VS DEOGAONKAR, SP YAWALE, SV ... - Bull. Mater. Sci, 2003 - ias.ac.in ... several iron phos- phate and sodium iron phosphate glasses ... done on the optical properties of oxide glasses ... Optical properties of lead-bismuth cuprous glasses ... View as HTML - Web Search - csa.com

# Theoretical consideration of Faraday rotation spectra of bismuth substituted yttrium iron garnet ...

K Matsumoto, S Sasaki, K Haraga, K Yamaguchi, T ... - IEEE Transactions on Magnetics, 1992 ieeexplore.ieee.org

... crystal orthofer- rites, garnets and other ferric oxide compunds 'I ... and the dielectric tensor elements of bismuth-substituted iron garnets at ...

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# Heat-reflecting windows using gold and bismuth oxide films

O MEASUREMENTS - iop.org

... easier to produce than the all-dielectric multi-layer ... using glass windows coated with bismuth oxide and gold of ... satisfactorily applied so far to iron and alloy ... Web Search

#### Anodic Overvoltage Measurements with the Cathode Ray Oscillograph

E Newbery - Proceedings of the Royal Society of London. Series A, ..., 1927 - links.jstor.org

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1 Ultrasound converter array comprises a number of elements consisting of piezoelectric ceramic layers and electrodes

Inventor: SMITH LOWELL SCOTT (US); WILDES

Applicant: GEN ELECTRIC (US)

DOUGLAS GLEN (US); (+1) EC: B06B1/06C3E; H04R17/00

IPC: **B06B1/06**; **H04R17/00**; **B06B1/06** (+5)

Publication info: **DE10155894** - 2002-09-12

2 Piezoelectric ceramic composition, and high power output transformer

made of the same composition
.Inventor: KIM JONG SUN (KR); YOO CHOONG SIK

Applicant: SAMSUNG ELECTRO MECH (US)

(KR); (+2)

EC: C04B35/493; H01L41/107; (+1)

IPC: CO4B35/493; H01L41/107; H01L41/187 (+5)

Publication Info: US2001054704 - 2001-12-27

3 PIEZOELECTRIC CERAMIC COMPOSITION, AND HIGH POWER

PIEZOELECTRIC TRANSFORMER

Inventor: KIN SHOSEN; RYU CHUSHOKU; (+2)

Applicant: SAMSUNG ELECTRO MECH

EC: IPC: C04B35/00; C04B35/49; H01B3/12 (+12)

Publication info: JP2001316181 - 2001-11-13

4 COMPOUND CERAMIC CAPACITOR FOR PREVENTING

PIEZOELECTRIC RESONANCE PHENOMENA

Inventor: HARADA JIRO; YAMAGUCHI HISASHI Applicant: MITSUBISHI MATERIALS CORP

EC: IPC: H01G4/38; H01G4/38; (IPC1-7): H01G1/16

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